

FIG. 1 is a block diagram of a network architecture for a central office (CO) 100, showing the connection between the CO and multiple remote sites (e.g., 294a, 294b, 394a, 394b, 494a, 494b) via a central office (CO) 100. The diagram illustrates the flow of data and power between the CO and the remote sites, including the use of various network elements and power sources.

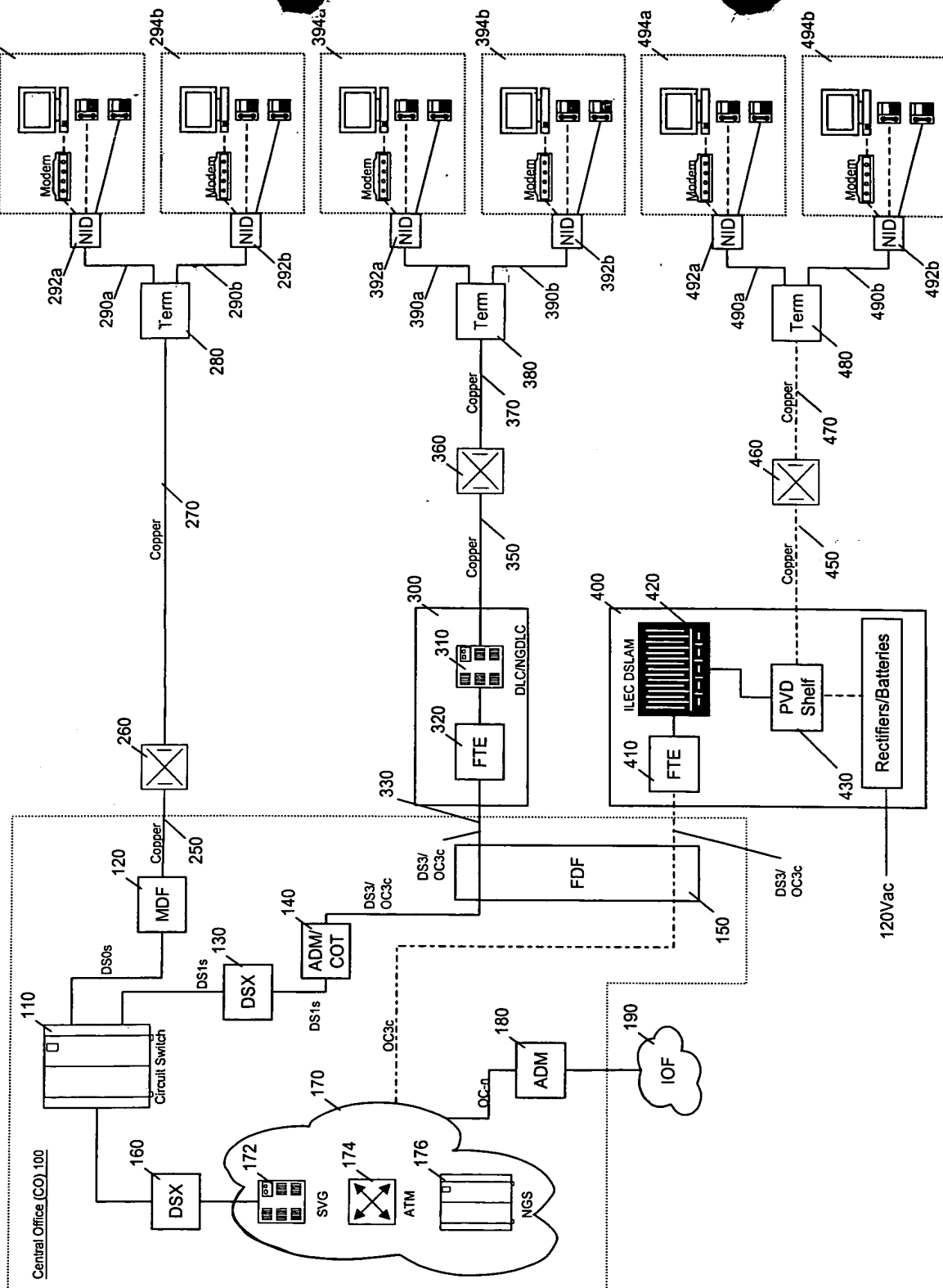


Figure 1

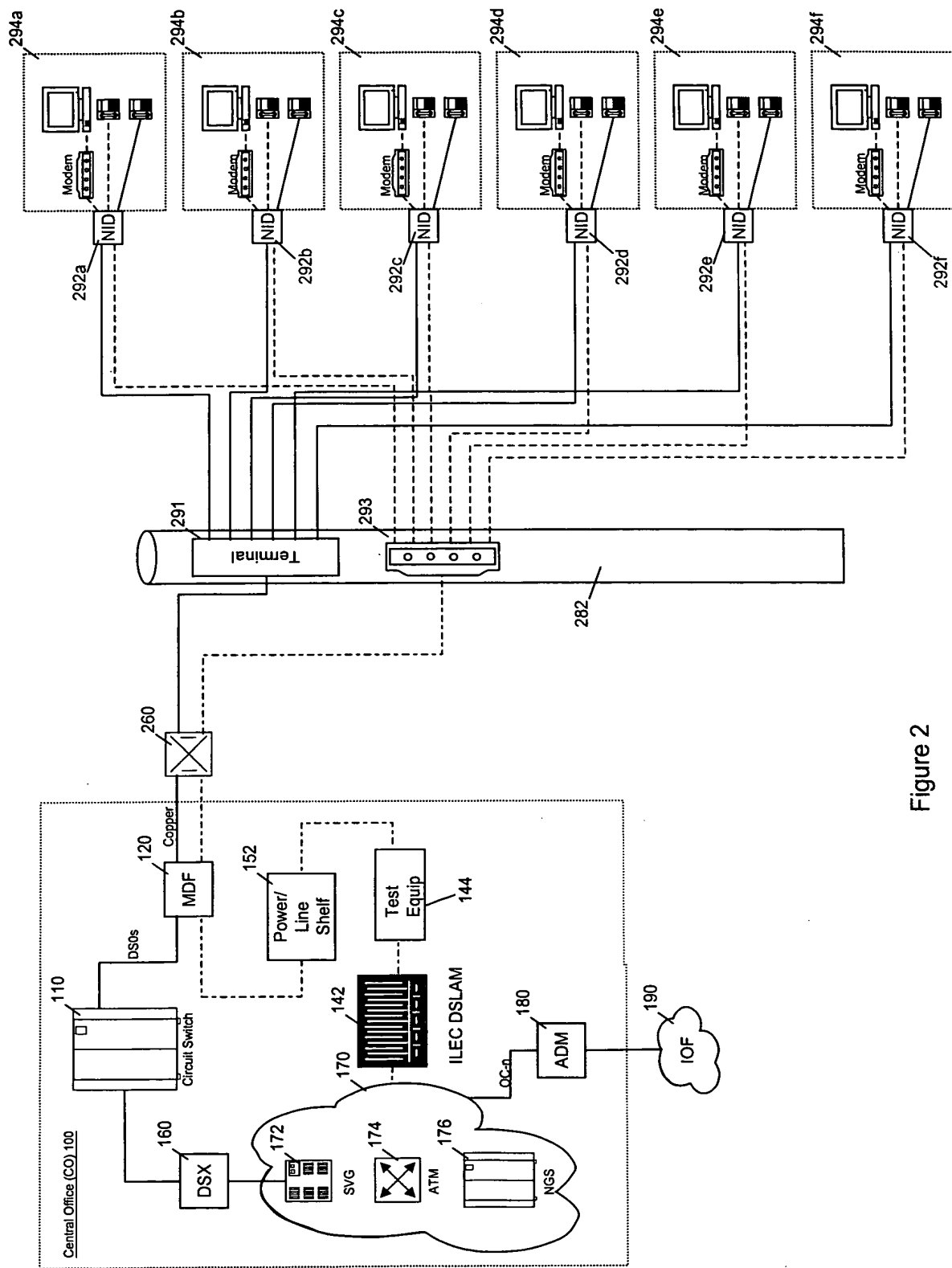
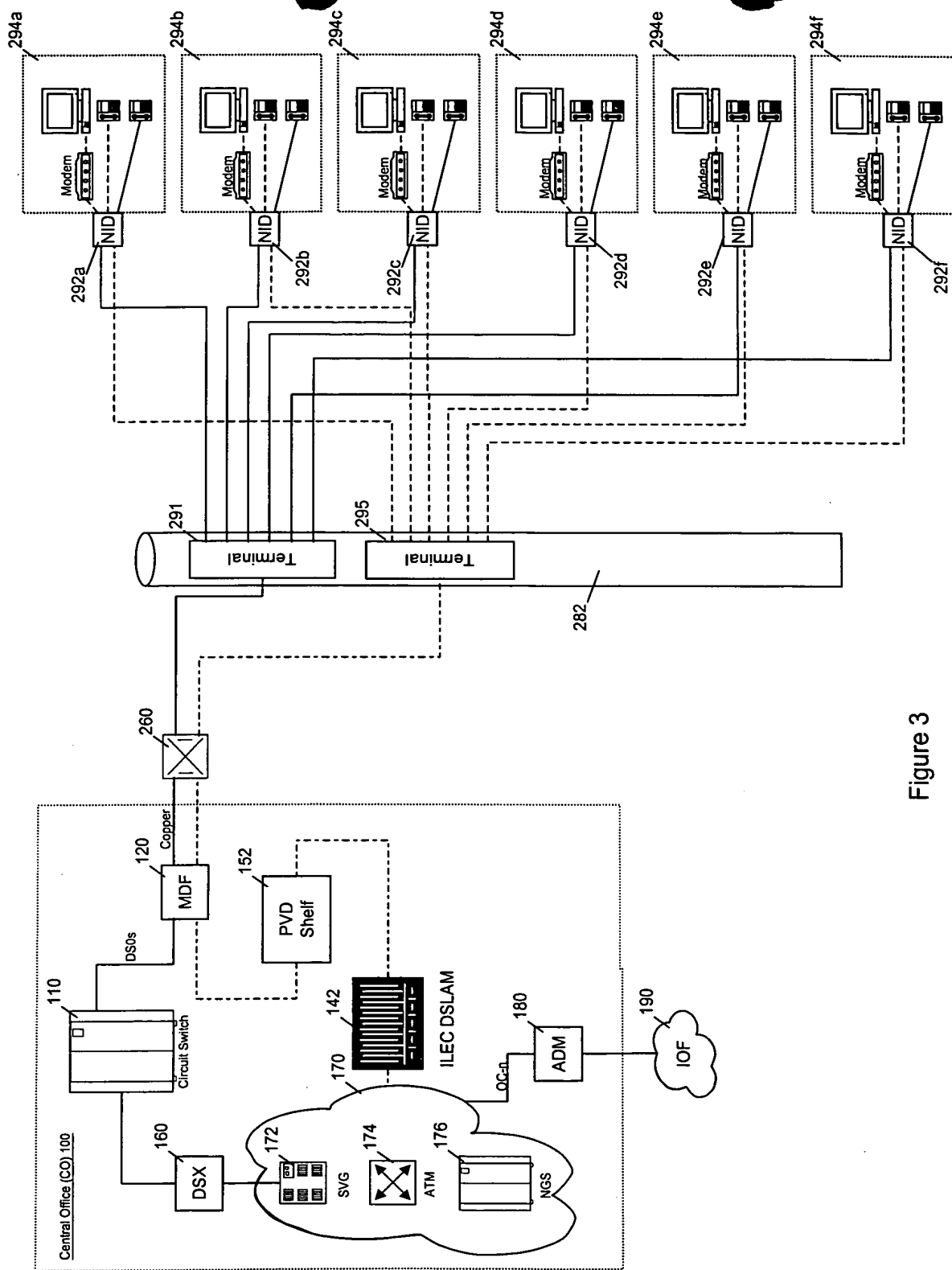


Figure 2



### Figure 3

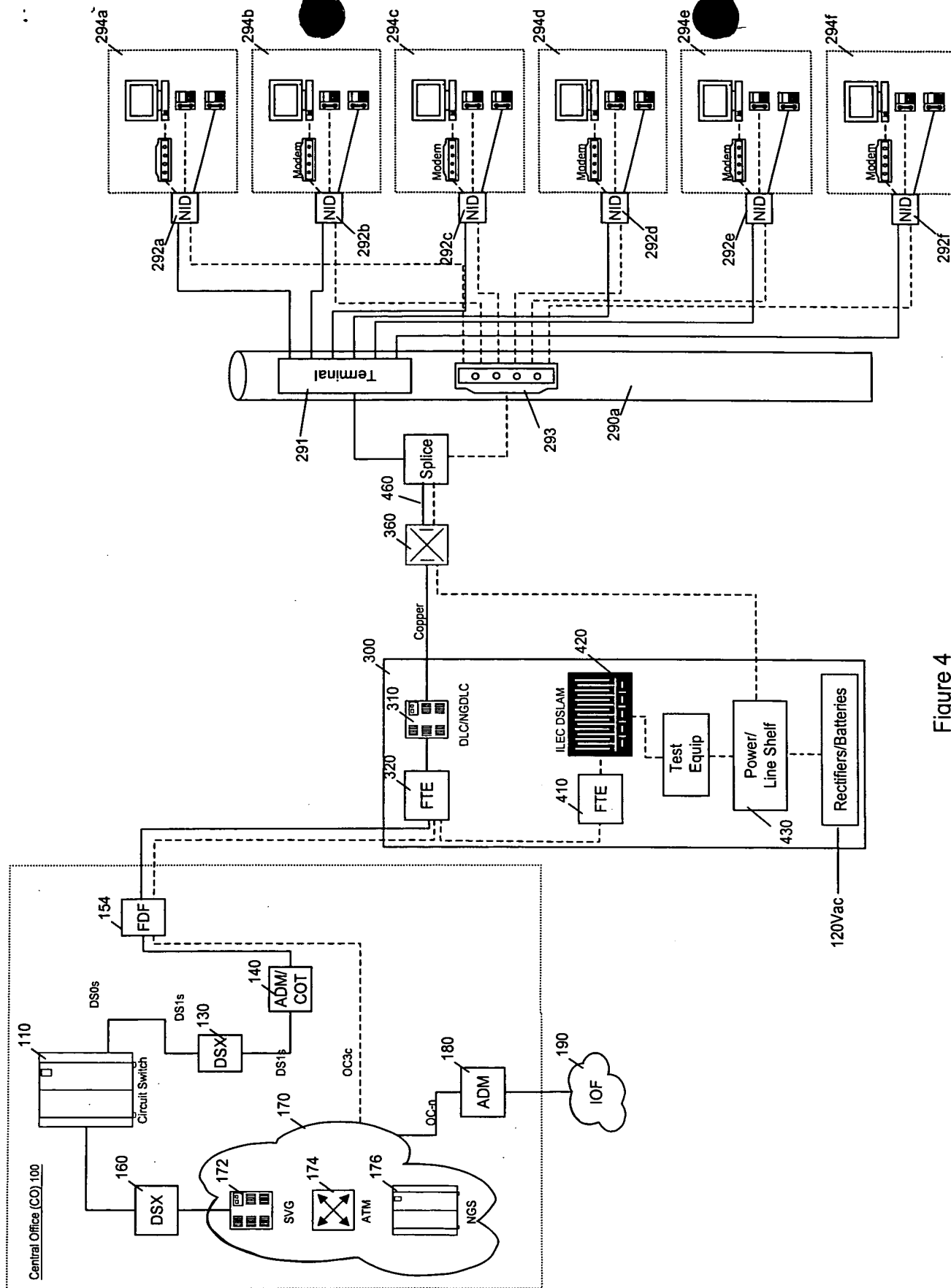
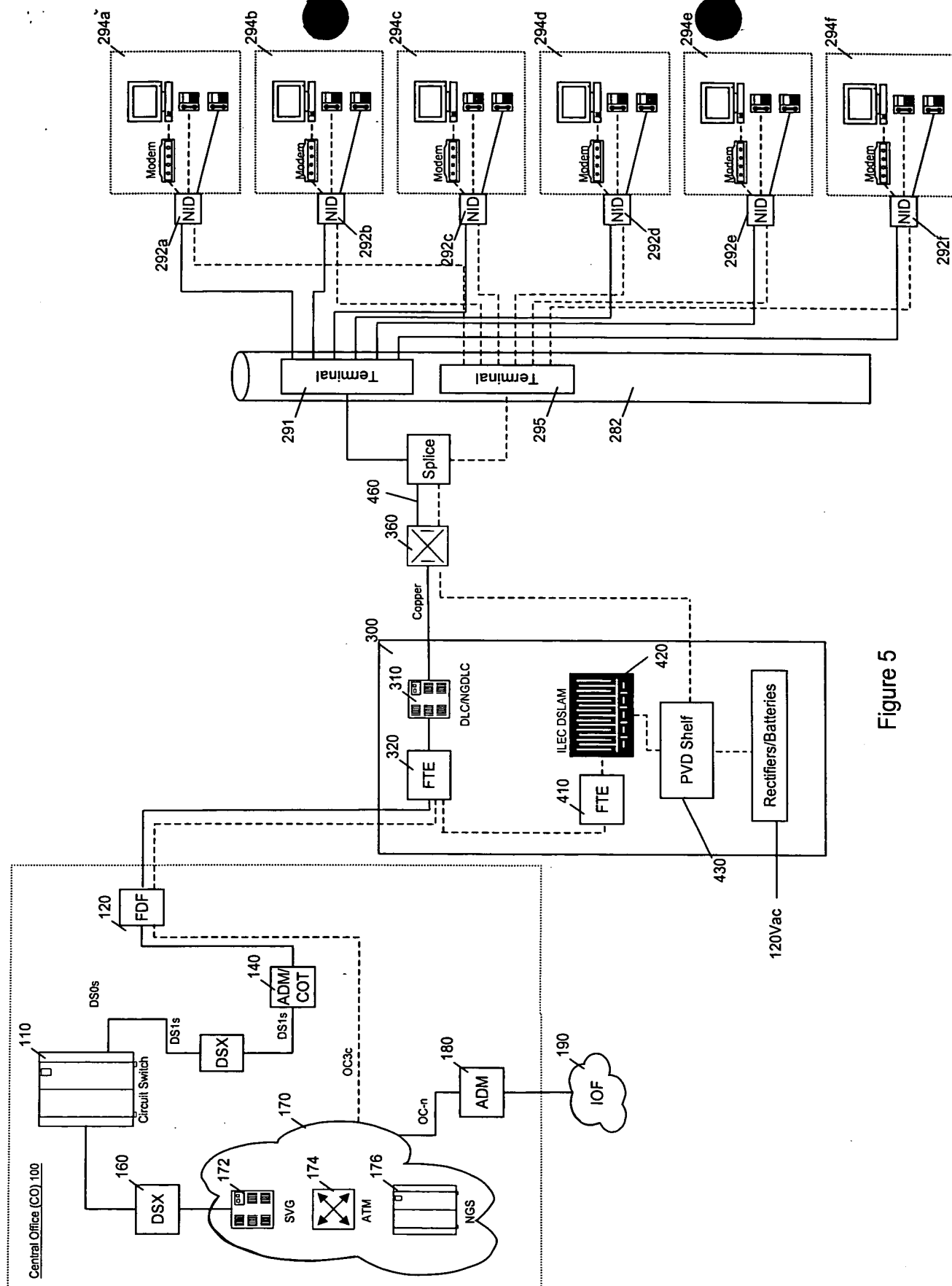
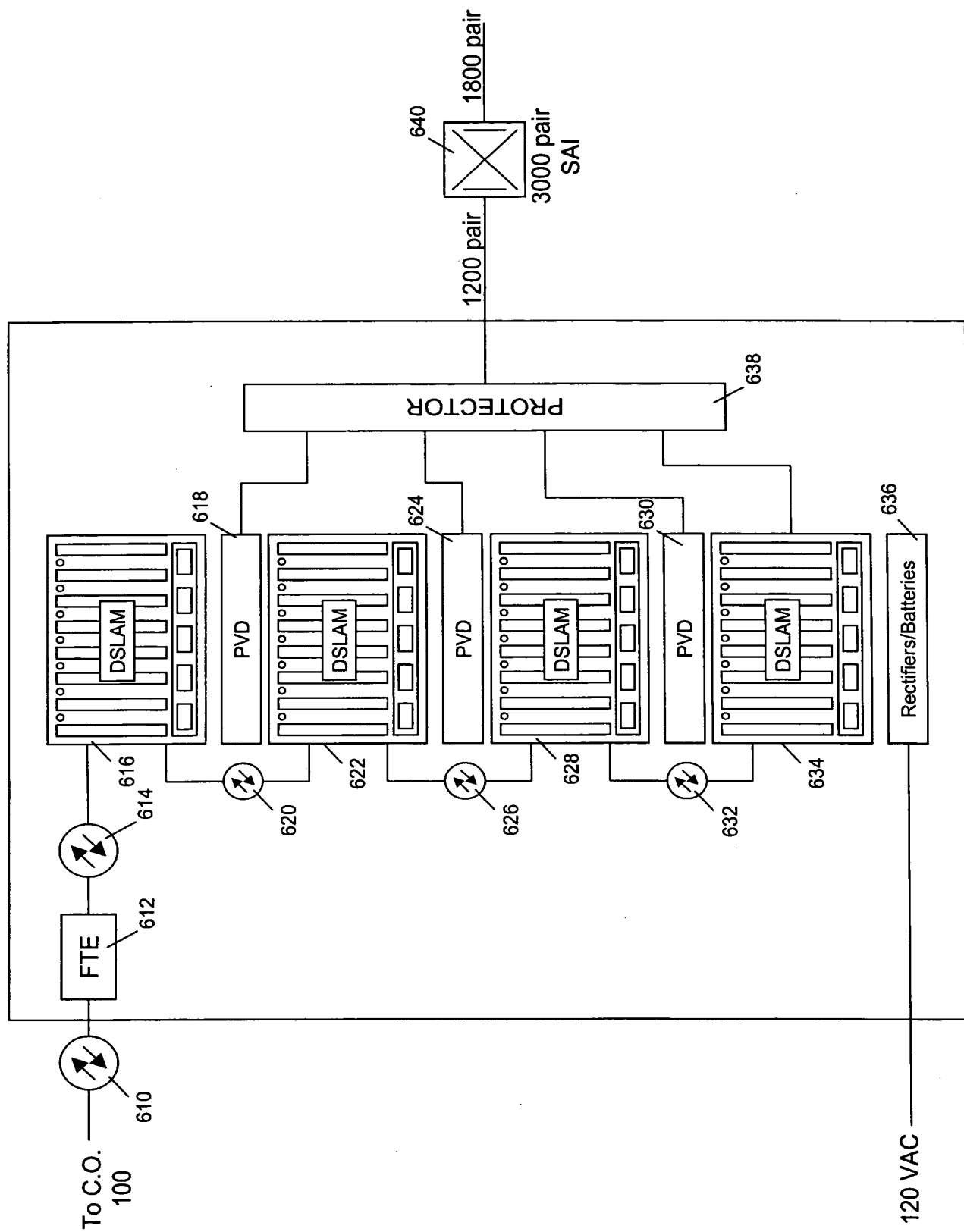


Figure 4



## Figure 5



**Figure 6**

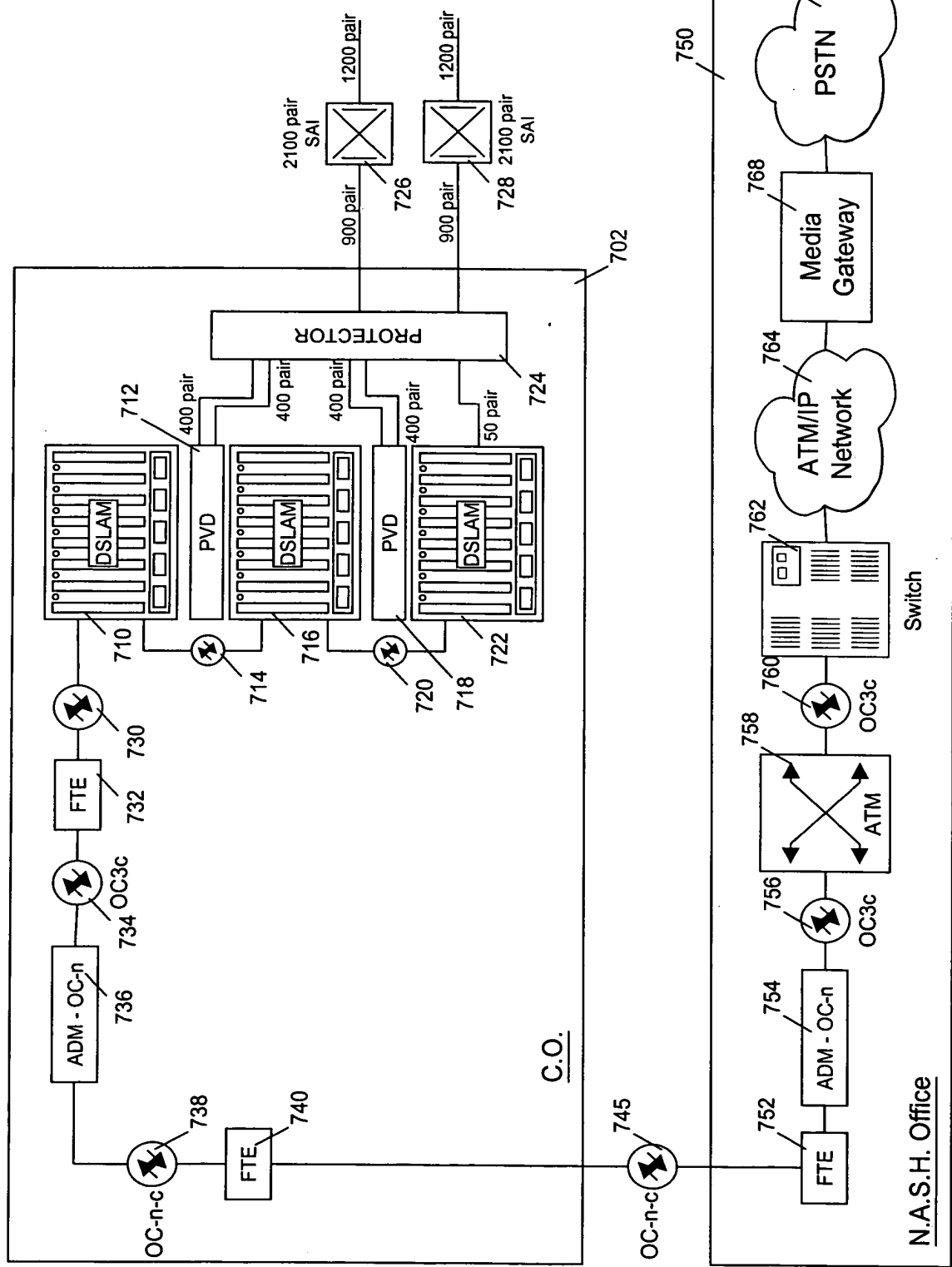


Figure 7

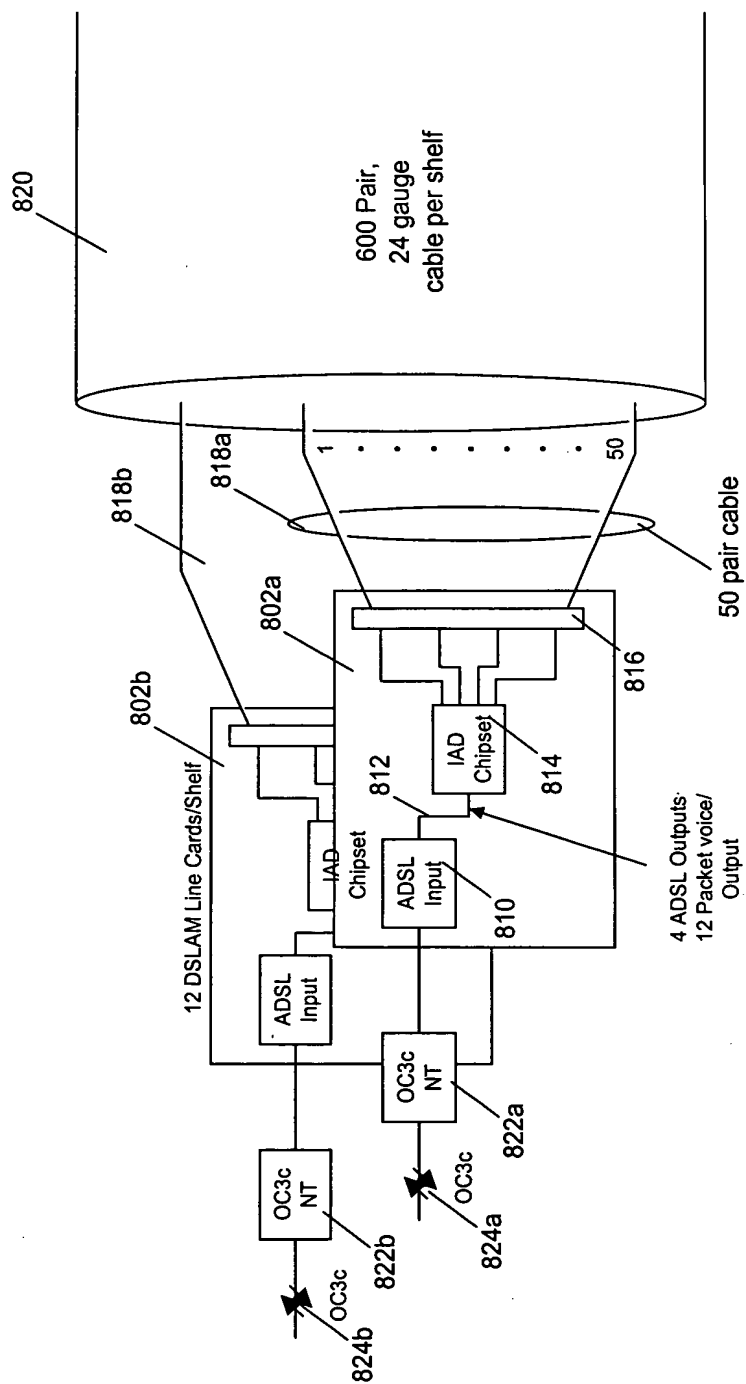


Figure 8